RUSSELL ELECTRONICS
RD 1 BOX 539
CENTRE HALL PA 16828

ALTOONA, PA 1600
PM
5 DEC
1988

NOVEMBER 1988 CATALOG ---------- FIRST CLASS MAIL

SINCLAIR QL
TIMEX SINCLAIR COMPUTERS
Software, Hardware, Books
(Many good gifts to give.)

HOURS 1pm-6pm EST Monday-Friday
814-364-1325 Closed Sat. & Sun.

If you want it, we suggest you order AS SOON AS POSSIBLE.

Roy Wist,
135 Sheldon Rd.
Valuntown CT 06384

SPECIAL OFFERS

Valid until Dec. 30, 1988, or as long as supplies last.
FREE GIFT WITH EACH ORDER.

ZXLR8 FASTLOAD for TS1000/ZX81 (not TS1500) on cassette. Price $10.50

SILICON CHIP approx. 4" round, thin $5. Something for the collector.

Q-PRESSOR - Surge Suppressor & Interference Filter - $10.95.
Use with any computer/electronic appliance.

WINKY BOARD for TS2068/ZX Spectrum/TS1000/1500/ZX81--$15.50, 2/28.50 FREE SHIPPING Makes a good gift for a computing friend.
CHROMASOFT, Color for your TS1000. Amaze your friends. - $9.95
HI RES GAMES for TS1000/1500, ZX81 - $5.50 each, 2/$8.95, 3/$12.50
SPEECH RECOGNITION SYSTEM for TS1000 or TS2068 - $23.95 FREE SHIPPING
TIMEX TS1000/1500, ZX81 Cassette program $2.00 2/3.50
ORGANIZER-Database for storing, fast sort/retrieval of info. entered.

SPECTRUM ROM or SPECTRUM EPROM for TS2068, dedicate to run Spectrum software - $11.95 2/21.95 3/29.95 Your choice of ROM or Eprom
ROMSWITCH is currently out of stock.

OL SOFTWARE PRICES LOWERED

64K Dynamic RAM Chips. Prime OKI 3764, 150 ns. SPECIAL! $1.25 ea.
EDGE CONNECTORS, Hi quality female soldertail type. You cut width: yields 2 connectors for TS1000 and 1 for TS2068. $4.95.
EXPANSION CONNECTORS, gold plate PC male type. You cut & get 2 for TS1000/2068. Or, leave on large, top quality W.wrap board. $4.95, 2/8.50

C Primer Plus - Waite, Prata, Martin/SAMS book. Excellent! Uses friendly format w. examples for easy learning, question/answer self-tests. Based on IBM PC implementation of Kernighan & Ritchie C. Orig. $21.95, now $14.95

WORDSTAR MADE EASY 2nd Ed.- Walter Elfin - Osborne/McGraw-Hill. POPULAR COMPUTING review: "For a well organized introduction to WordStar... WORDSTAR MADE EASY..is hard to beat." Orig. $12.95, now $7.95

COMPUTER PRODUCTS MAKE GOOD GIFTS. ORDER NOW FOR PROMPT DELIVERY.

RUSSELL ELECTRONICS

RD 1 BOX 539, CENTRE HALL PA 16828 (814-364-1325)

SEE OUR SPECIAL OFFERS ON OUTSIDE COVER. Valid until Dec. 30, 1988 or as long as our supplies last. Prices subject to change without notice. SEND Check/MO MC/Visa# on order form or phone 814-364-1325 Monday-Friday from 1pm to 6pm EDT (you may reach an answering machine).

*Your order is sent the best way. Circle preferred shipping: UPS or U.S.Postal Service. We cannot ship UPS to Post Office Box#. UPS 2nd day air available: add $2.00 for 1#, $1./ea. additional # in continental US. Packages over 2 pounds sent by UPS or parcel post. Send extra for first class mail & we will refund excess. Each order is charged $3. unless extra shipping is requested. Software guaranteed 10 days. Hardware guaranteed 90 days. Returns are rare but if necessary please package with appropriate care & specify the problem.

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ORDER FORM

Ship order by Best Way, UPS, US Mail, to

Name_____

Address_____

City,State,Zip_____

MasterCard/Visa#_____Exp. Date_____

Signature for MC/V_____

PLEASE GIVE YOUR ADDRESS FOR UPS DELIVERY WHENEVER POSSIBLE. THANKS!

Name of Item Ordered	On Page Letter/#	Price

ADD $3.00 PER ORDER FOR SHIPPING (FREE SHIPPING on orders over $35.) 3.00

Do not add if ordering item marked free shipping.

PA residents add 6% Sales Tax_____

TOTAL AMOUNT OF ORDER_____

Thanks for your order!

First time order? Yes No please circle one

I use the QL, TS2068, TS1000, TS1500, ZX81, other_____computer

LIQUIDATION

TS2068 PROGRAMS cassette/factory pkg $1.50 2/2.50 TIME TEACHER; SPELLING II
TS2068 PROGRAM on cartridge, TIMEX - $1.95 STATES & CAPITALS- map challenge

MAILING BAGS,Cassette size, 4" x 7", brown paper, bubble-lite lined, $.10 each
*Soft poly cassette boxes. $.15 each; *Cassette labels, lt. blue $.04ea 10/.34

BOOKS Only 1 or 2 of each title:

Electronic Music Production, Douglas, TAB Books, 1974, $2.95 not Sinclair specific. Shows how different instruments may be synthesized.

Elementary Basic, Ledgard & Singer, 1982, $3.50 general computer application using Sherlock Holmes dialogue/stories as tutor. Fun & informative.;

What do you do after you hit return?, Peoples Computer Co., oversize book w. listings, illustrations, tutorials, classic games, general book, fun! - $7.95

MS-DOS & PC-DOS User's Guide, Peter Norton - Brady publ. Extraordinaryly clear & entertaining guide. $12.50;

C Primer Plus - Waite Prata Martin/SAMS Orig. $21.95, now $14.95

WORDSTAR MADE EASY 2nd Ed. - W. Elfin - Osborne/McGraw-Hill now $7.95

Disk Drive cables - PC type motherboard to double DD stacked parallel $7.95

HACKERS SPECIALS: New, not used parts.

Resistors, 5% 1/4 watt 10/$.30 Your choice: 100, 120, 170, 220, 290, 330, 330K, 510, 680, 680K, 1K, 10K, 1M. 10/.25

D Connectors for QL serial port or standard joystick - 2/$1.

Crystal Mikes, 1 1/4" diameter, metal case - 4/$1.

Battery Clips, 9V with leads - 4 pr./$1.

T.I. Integrated Circuit Sockets, 28 pin, PC mount - 3/$1.35

Co Axial Cable, RG-174, 50 ohmn imp. 26gauge, shielded- 5'/$1.

Hi Tech Black Boxes, hi impact blk plastic (can drill/punch) w. friction lid, size 1 3/4" x 4 1/2" x 1 1/4"D. Useful enclosure, storage. Orig. made for our Speech Rec.Sys. - only $1.00 ea.

In Line Jacks 3.5mm black 3/$1.; Jacks, 3.5 mm PC mount 2/$1.

Diodes 1N914 type 10/$1.; Rectifier Diodes 100PIV 1 amp 10/$1.

WINKY BOARD Cassette Computer Interface

What will a WINKY BOARD do for you? Many satisfied customers say it will increase your computing pleasure w. TS2068, SPECTRUM, TS1000/1500, ZX81. How?
(TS USER magazine called it "worth its weight in gold!")

* SOLVES MOST LOADING PROBLEMS, enables you to LOAD "difficult" tapes w. ease.
* DUPLICATE (direct copy) ANY TS/ZX CASSETTE tape incl. special non-listable, non-saveable cassette programs. (Copyright laws allow a back-up copy for your own use.) Loss of 1 valued cassette prog. could exceed WINKY BOARD price!
* DUPLICATE LOW VOLUME ZX SPECTRUM CASSETTES through WINKY BOARD to produce a higher volume copy that TS2068 can easily load. 2 recorders needed.
* SAVE & DUPLICATE at the same time, save time.
* FIND OPTIMUM TAPE VOLUME IMMEDIATELY & precisely w. LED indicator lights.
* REALIGN TAPE HEAD by using LED monitors to LOAD those really "difficult" cassettes. (Instruc. & storage box incl.) And you can also
* Earphone-eavesdrop as you load or duplicate. (eg. spoken cues)

User friendly. Simply plugs between tape mach. & computer jacks. No mods req. May run ZXLR8 Fastload faster. SALE PRICE $15.50., 2/28.50, FREE SHIPPING

ZXLR8 Fastload by Brad Bennett.

Tired of waiting out those long load & save times? Your wait is over. This popular high speed save/load utility features:

*Adjustable speed. Lets you load/save programs 6-10 times faster than usual.
*NO HARDWARE CHANGES OR ADDITIONS. *2k program relocatable in memory.
*User friendly prompting in immediate/program modes.
*Fast binary data loading/saving anywhere in RAM.
*Fast array variable loading/saving independent of program.

Price: $10.50 cassette/instructions for TS1000/ZX81, not TS1500.
Not available on eprom.
WINKY BOARD may help with easier, more dependable loads for ZXLR8.

CHROMASOFT by Bill Russell

CREATE 100% SOFTWARE GENERATED MULTI-COLORED GRAPHICS ON YOUR BLACK & WHITE TV
WITH ABSOLUTELY NO ADDITIONAL ELECTRONIC HARDWARE/ MODIFICATIONS!!

HOW? *This break-through program utilizes computer generated optical pulse-coding techniques combined with a special TV screen optical filter to "trick" the brain into seeing color. For TS1000/1500, ZX81 w. 16K or more
*"Paint" multi-color scenes of your own creation in 9 colors. Some colors are easy to see. Others depend on particular factors: observer, TV, room lighting, etc. *Because of obvious screen pulsations & variability of colors, this prog. is offered as an experimental system. Designed so that you can easily experiment w. color generating pulse code patterns so you can discover code patterns for better/brighter/diff. colors. Reviewed in a number of magazines, newsletters.

CHROMA-SOFT system package incl. cassette program, TV screen optical filter overlay (for screens up to 15") which doubles as an easy-on-the-eyes amber filter, instructions w. explanations, annoted assembly listing. ONLY $9.95

SINCLAIR QL SOFTWARE

NUCLEON--$24.95 (Pyramide) A valuable "programming assistant" w. programs & tools to easily add professional touches w. Compact draw, Font Definer, Windows, Maestro for music additions which automatically generate their own SuperBasic programs.

QL TOUCH AND GO--$10.95. (Sinclair) Want faster, more accurate imput power? Learn touch typing on your QL QWERTY keyboard with this fast & easy method. You'll be glad you improved your productivity.

QL GARDENER -- $10.95.(Sinclair) Become expert at choosing the right flowers, trees & shrubs for every garden need. Use clear, graphic screens & simple selection method. Specify up to 22 characteristic you want plant to have. Select from program library of over 1100 species, extendable to suit your needs.

QL HOME FINANCE--$10.95. (Sinclair) 5 star! Keep track of all your income & expenditures w. seperate accounts for ea. major category, analyze finances, get printed statement simply. Stop frustration! Tap power of QL & save time too!

PSION Programs, version 2.3, each prog. 5.95, specify program you want
Archive, Easel, Abacus

PROFESSIONAL ASTROLOGER - $69.95 Huge manual, no previous knowledge req. This program received rave reviews -- a remarkable achievement.

SIGN DESIGNER - Signs, banners, ad creation. Use w. English ROM. 21.95;

STOCK CONTROL--$9.95 Keep track of number of items in stock, stock numbers, cost unit price, retail unit price, number of items on order, reorder levels.

WD MORSE TUTOR - $9.95 This teacher takes you up to 1 & past standards for amateur radio tests. Varying rates 4-18 wpm QL generates sound, waits, displays correct letters so you can judge how you're doing.

QL SWITCH--$9.95 Allows you to multi-task 4 programs bundled with QL--all at the same time. Run 1-4 prog. Key define prog.incl. Well worth having!

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RS232 CABLE for serial input printer with matching QL serial port and standard serial printer connector. Price: $6.25

QL REPAIR MANUAL. $8.50 Technicians guide to the QL with schematics. Invaluable knowledge! Troubleshooters helper.

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RUSSELL ELECTRONICS, RD1 Box 539, Centre Hall PA 16828; Phone 814-364-1325

PROTECT YOUR COMPUTERS FROM POWER LINE SURGE DAMAGE.
PROTECT YOUR PROGRAMS FROM SURGE & INTERFERENCE "CRASHES".

Q-PRESSOR

POWER LINE SURGE SUPRESSOR AND INTERFERENCE FILTER.

Clearly superior protection for any computer sys./solid state electronic device.

* Get faster, more complete supression with State-of-the-Art ZNR surge supressors. Get more for your money. 3 surge supressors, 3 interference filters, & 3 grounded outlets. Only $9.95

HI RES PROGRAMS FOR TS1000/ZX81

Some very creative programmers developed incredible, advanced programs that produce high resolution TV displays and TS2040 print-outs--EQUAL to TS2068 HI RES WITH NO COMPUTER MODIFICATIONS OR HARDWARE ADDITIONS. YOU MUST SEE TO BELIEVE!

HI RESOLUTION GAMES for TS1000/ZX81 w. 16K or more. Engaging rave-review games

ROCKETMAN - Climb the ladders and collect diamonds and fuel to fly away in you own rocket, but watch out for the horrible "bubble".

FORTY-NINER - As a California gold miner, you dig your tunnels, gather your gold, and try to outwit the rats, snakes, and gremlin. Action!

ZXTRICATOR - You are a warrior of the future ordered to liberate and rescue prisoners held by aliens. Careful! Use your laser cannon and Super Zapper.

(This program only requires 16K RAM PAC ONLY) Rocketman & Forty-niner run with 16K or more RAM. ---------- SALE $5.50 each, 2/$8.95, 3/12.50

OR, WANT TO BUILD A HARDWARE ADDITION TO GENERATE HI RES GRAPHICS?

HI RES GRAPHICS PLANS - by B. Bennett. Complete plans for building a 192 X 256 bit mapped graphics hardware addition for high resolution TV display. (Not req. for the programs listed above). Requires TS1000/ZX81 computer modifications, kit building skills, wirewrapping, & $35-$50 in parts. 19 page booklet. $4.50

NEW KEY for TS1000 $5.00 A "toolkit" with many remarkable features:

*Stops practically any self-running program . Examine listing & save program
*Protect utility transfers prog. above Ramtop so you can work w. another prog
*A TRUE Merge utility lets you combine two programs.
*Shows how much RAM is left for programming at any time you wish.
*Lets you Delete and Transfer program lines. *Uses only 350 bytes of RAM.

This program received many enthusiastic reviews in various T/S newsletters.

YOUR TS2068 CAN RUN ALMOST ALL OF THE MANY BRITISH SINCLAIR ZX SPECTRUM PROGRAMS Simply plug-in a SINCLAIR SPECTRUM ROM or a SPECTRUM EPROM to replace TS2068 ROM, Either dedicate your TS2068 to use wonderful SPECTRUM software or buy one to alternate with your regular TS2068 ROM and expand your computing pleasure. SINCLAIR SPECTRUM ROM or SPECTRUM EPROM, your choice - $11.95, 2/12.95 3/$29.95

Our popular ROMSWITCH 2 is currently out of stock.

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NOTE: WINKY BOARD cassette-computer interface solves loading problems of low volume Spectrum tapes. See WINKY BOARD listing in this mailer.

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SPECTRUM PROGRAM-MIND GAMES: Chess, Backgammon, Draughts (or checkers), Invader Cube. Skill levels,challenge! Excellent! $8.95 ROMSWITCH/ SPEC. ROM compatible

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SPEECH RECOGNITION SYSTEM

Talk to your computer and teach it to respond to your voice commands.

CASSETTE TAPE with demo. program to teach you to talk to computer & utility program to "train" computer to recognize/respond to up to 8 spoken words. Use voice as you would use keyboard touch w. INKEY$ function. 2K prog.

This quality unit is the lowest priced speech recognition system available.

SMALL HAND HELD SPEECH UNIT plugs into computer ear jack. Two 9V transistor radio batteries required (not included). Assembled/tested.

DOCUMENTATION PACKET w. full instructions for using SRS. Assembly language listings used incl. w. SRS1000. Specify your computer.

**SRS 1000 package for TS1000/1500, ZX81 with 16K or more, $23.95

**SRS 2000 package for TS2068, $23.95

SPECIAL: FREE SHIPPING on any Speech Recognition System

FOR THE SINCLAIR QL COMPUTER

DELTA 128K INTERFACE

COMBINES A DISC SYSTEM INTERFACE, A 5 1/4" (or 3 1/2") DISC WITH UTILITY, EXTRA 128K RAM, A CENTRONICS PARALLEL PRINTER PORT, AN ADVANCED "RAM DISC" SYSTEM, - ALL IN ONE COMPACT, BEAUTIFULLY DESIGNED INTERFACE! Plugs into the expansion port on the left side of the QL. Looks like part of case. No exposed components. The disc system supports up to 4 disc drives (5.25", 3.5", and 3", or a mixture of different types; 40 or 80 track, SS or DS). Microdrive compatable. Printer cable not included, but is available from us, Radio Shack. The "RAM Disc" system lets you, for example, access information in a large data base instantly. Does not offer an expansion port to add extra memory. Sleek black enclosure looks like an extension of QL keyboard. Price: $169 (reduced from $289.). Add $4. for 34 pin header connector for AERCO disk system.

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